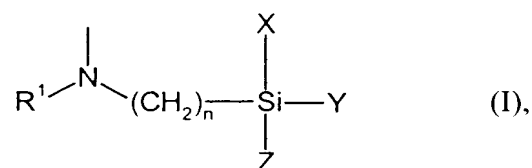


Claims

1. Polyurethane compositions which cross-link via a silane polycondensation, containing

5

- A) at least one alkoxy silane-functional polyurethane having end groups corresponding to the general formula (I)



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wherein

R^1 represents an organic group having 1 to 12 carbon atoms,

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n is an integer from 2 to 4

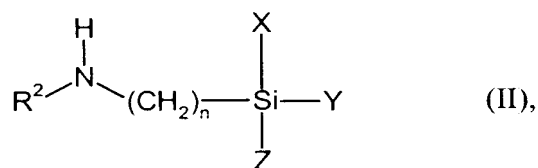
and

20

$\text{X}, \text{Y}, \text{Z}$ denote identical or different organic groups, with the proviso that at least one of the groups is an alkoxy group having 1 to 4 carbon atoms, preferably a methoxy or ethoxy group,

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- B) at least one basic filler,
- C) at least one reaction product of at least one aminosilane corresponding to the general formula (II)



wherein

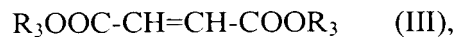
R^2 represents a hydrogen atom, or an aminoethyl group and

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n, X, Y, Z have the meanings given for formula (I),

with at least one maleic or fumaric (ester) corresponding to the general formula (III)

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wherein

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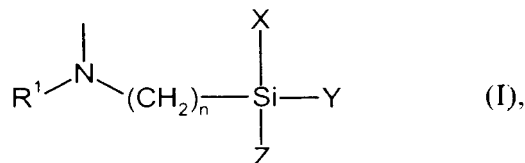
R_3 represents an alkyl group having 1 to 12 carbon atoms,

E) at least one organometallic compound and

F) optionally additional auxiliary substances.

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2. Polyurethane compositions which cross-link via a silane polycondensation according to claim 1, characterised in that at least one alkoxysilyl-functional polyurethane corresponding to the general formula (I)

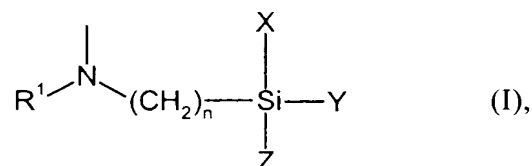


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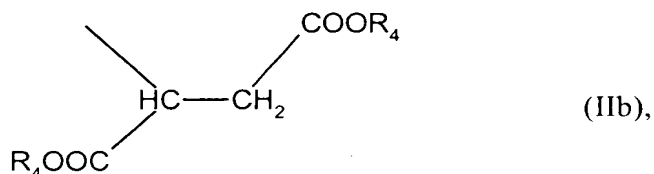
wherein X, Y and Z each represent a methoxy group, is used as component A).

3. Polyurethane compositions which cross-link via a silane polycondensation according to claims 1 and 2, characterised in that at least one alkoxysilyl-functional polyurethane corresponding to the general formula (I)

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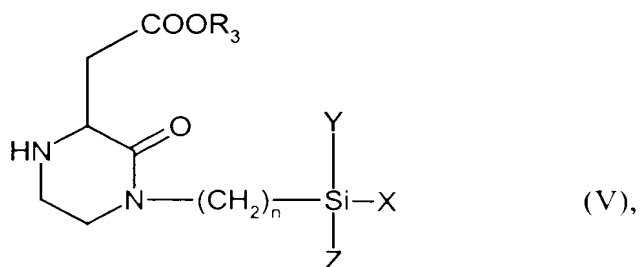
wherein R_1 represents a group corresponding to the general formula (IIb)



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wherein R_4 denotes an alkyl group having 1 to 4 carbon atoms, is used as component A).

- 15 4. Polyurethane compositions which cross-link via a silane polycondensation according to claim 1, characterised in that aminosilane compounds corresponding to the general formula (V)



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wherein

R₃ represents a linear or branched aliphatic hydrocarbon group having at most 12 carbon atoms, n is 3 and X, Y, Z represent methoxy or ethoxy groups,

5 are used as component D).

5. Process for the preparation of the polyurethane compositions which cross-link by condensation according to claim 1, wherein components A), B), C), E) and optionally F) are mixed together, with exclusion of moisture, and component
10 D) is then added thereto.

6. Use of the polyurethane compositions which cross-link by condensation according to claim 1 as sealant, adhesive or coating material.